ISO 8081:2021 (E)

Aerospace process — Chemical conversion coating for aluminium alloys — General purpose

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Technical requirements

4.1 Classification
4.2 Material to be coated
4.3 Coating materials
4.4 Process requirements
4.5 Preparation of aluminium material to be coated
4.6 Process details
4.6.1 Water characteristics
4.6.2 Cleaning
4.6.3 Deoxidizing
4.6.4 Racking of parts
4.6.5 Coating procedures
4.6.6 Rinsing and drying
4.6.6.1 Rinsing
4.6.6.2 Drying

5 Quality assurance provisions

5.1 Responsibility for inspection
5.2 Lot acceptance tests
5.3 Process control tests
5.4 Process qualification tests
5.5 Solution control
5.6 Inspection and testing of coatings
5.6.1 Visual appearance
5.6.2 Coating mass per unit area
5.6.2.1 Preparation
5.6.2.2 Coating removal
5.6.2.3 Calculation of coating mass per unit area
5.6.2.4 Coating mass per unit area requirement
5.6.3 Corrosion resistance
5.6.4 Paint adhesion
5.7 Approval

6 Packaging and delivery

6.1 Packaging
6.2 Delivery

Page count: 6